

ABSTRACT

TRACK-FOLLOWING SYSTEM FOR THE RECORDING/READING OF A DATA
MEDIUM AND RECORDING MEDIUM

The invention relates to a system for reading a magnetic medium having several tracks of data which can be read in parallel, ~~and comprising~~ with a detection device having at least as many detectors as there are tracks, making it possible to read simultaneously and at regular intervals a sample of data on each track. This system furthermore ~~comprises:~~ includes $[[\bullet]]$ a processing circuit ~~(M1)-receiving~~ configured to receive each sample of data ~~(x_i)~~ to be processed from each track $[[,]]$ together with sample $[[x_{(i-1)}]]$ of a first adjacent track and ~~the sample~~ sample $[[x_{(i+1)}]]$ of a second adjacent track $[[,]]$ and ~~to calculating~~ calculate the cross-talk affecting the sample of data to be processed due to the adjacent tracks $[[;]]$. $[[\bullet]]$ ~~an~~ An integration circuit ~~(I1)-receiving~~ configured to receive the cross-talk value ~~thus calculated by the processing circuit,~~ integrating said integrates these values ~~obtained~~ at each read time, and then integrating ~~the values obtained following~~ at subsequent read times $[[;]]$. The systems also include $[[\bullet]]$ a relative track-following control circuit ~~(CR)-receiving~~ configured to receive the result of integration of the integrator circuit (I1) and supplying to supply a track-following control signal for the detection device.

~~Application: System for reading high density magnetic tapes.~~

FIGURE 5